

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference YL03002PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2003/002034	International filing date (day/month/year) 02 OCTOBER 2003 (02.10.2003)	(Earliest) Priority Date (day/month/year) 11 OCTOBER 2002 (11.10.2002)
Applicant B & C BIOPHARM CO., LTD. et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II)

3. Unity of invention is lacking (See Box No. III)

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. _____

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

b. none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2003/002034

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C07D 413/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 07 C07D, A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and Application for Inventions Since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CAS online(STN), Medline, Delphion

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 0178648 A2 (Dong Wha Pharm. Ind. Co., Ltd.) 25.Oct.2001 See whole document (Page 14, Compound 4)	1-3
A	EP 0187705 A2 (Norwich Eaton Pharmaceuticals, Inc.) 16.July 1986 See whole document	1-3
A	US 3878206 (Morton-Norwich Products, Inc.) 15. April 1975 See whole document	1-3
A	H.R. Snyder, Jr., C.F. Spencer and R. Freedman, Imidazo[4,5-f]quinolines III:Antibacterial 7-Methyl-9-(substituted Arylamino)imidazo[4,5-f]quinolines, Journal of Pharmaceutical Sciences, 1997, Vol.66(8), pp1204-6	1-3

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
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Date of the actual completion of the international search

09 JANUARY 2004 (09.01.2004)

Date of mailing of the international search report

10 JANUARY 2004 (10.01.2004)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2003/002034

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
W00178648 A2	25.10.2001	US030092709 A1 KR1096176 A AU0148903 A5	15.05.2003 07.11.2001 30.10.2001
EP0187705 A2	16.07.1986	CA1263378 A1 EP0187705 A2 JP61210085 A	28.11.1989 16.07.1986 18.09.1986
US3878206 A	15.04.1975	AU473160 B2 AU6545274 A BE816004 A1 CH598257 A5 DE2427410 A1 DK302074 A FR2232318 A1 GB1402243 A IL44166 A JP50019775 A NL7406572 A SE391926 B SE7405653 A US3878206 A ZA7400798 A	17.06.1976 14.08.1975 06.12.1974 28.04.1978 09.01.1975 03.02.1975 03.01.1975 06.08.1975 31.08.1976 01.03.1975 10.12.1974 07.03.1977 09.12.1974 15.04.1975 24.09.1975